



1299 PENNSYLVANIA AVE., NW  
WASHINGTON, DC 20004-2402  
PHONE 202.783.0800  
FAX 202.383.6610  
A LIMITED LIABILITY PARTNERSHIP

**MICHAEL J. BELL**  
PARTNER  
202.383.6500  
bellm@howrey.com

February 13, 2001

**Box Patent Application**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Re: *New U.S. Utility Patent Application*  
*Divisional of U.S. Appl. No. 09/467,384, filed: December 21, 1999*  
*Appl. No.: (to be assigned)*  
*Filed: February 13, 2001*  
*For: Apparatus and Method for Withdrawing*  
*and Dewatering Slag from a Gasification System*  
*Inventors: John D. Winter; Rajasekar Kamarthi; Thomas F. Leininger;*  
*Katherine S. Lee; Chih-Hao M. Tsang; Pravit Vasantachart*  
*Attorney Docket No: 06950.0167.DVUS02*

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a divisional application of prior Appl. No. 09/467,384, consisting of the following documents:

1. Utility Patent Application Transmittal Form PTO/SB/05
2. Form PTO-1082
3. U.S. Utility Patent Application, entitled:  
*Apparatus and Method for Withdrawing*  
*and Dewatering Slag from a Gasification System*

and naming as inventors:

*John D. Winter; Rajasekar Kamarthi; Thomas F. Leininger; Katherine S. Lee;*  
*Chih-Hao M. Tsang; Pravit Vasantachart*

the application comprising:

- a. The specification containing:
  - (i) Thirty-four (34) pages of description prior to the claims;

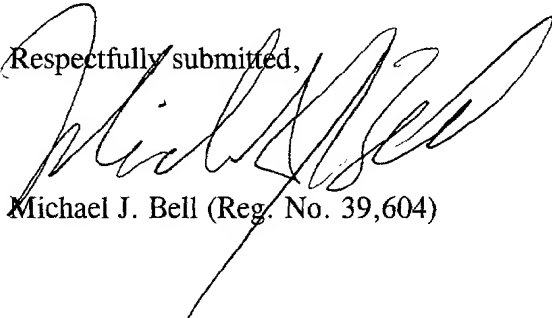
- (ii) Fifteen (15) pages of claims (numbered 1-146);
- (iii) One (1) page abstract;
- b. Eleven (11) sheets of drawings: (Figures 1, 2a-2e, 3a-3b, and 4-9);
- c. Copy of the executed combined inventors' Declaration and Power of Attorney from prior application no. 09/467,384;
- 4. A Preliminary Amendment;
- 5. Two (2) return post cards; and
- 6. Our Check for \$800.00 to cover:

\$ 710.00 - Filing fee for patent application  
\$ 90.00 - Fee for excess claims.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038. A duplicate copy of this letter is enclosed.

Respectfully submitted,

  
Michael J. Bell (Reg. No. 39,604)

Enclosures

Please type a plus sign (+) inside this box ☐

Approved for use through 10/31/2000. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (08-00)

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No. 06950.167.DVUS02
		First Inventor John D. WINTER, et al.
Title	Apparatus and Method ... System	
Express Mail		

### APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

### ADDRESS TO:

Assistant commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. <input type="checkbox"/> Fee Transmittal Form (PTO/SB/17)<br/>(Submit an original, and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status.<br/>See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <input type="checkbox"/> ]<br/>(preferred arrangement set forth below)<br/>-Descriptive title of the invention<br/>-Cross reference to Related Applications<br/>-Statement Regarding Fed Sponsored R &amp; D<br/>-Reference to sequence listing, a table,<br/>or a computer program listing appendix<br/>-Background of the Invention<br/>-Brief Summary of the Invention<br/>-Detailed Description<br/>-Claim(s)<br/>-Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <input type="checkbox"/> ]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <input type="checkbox"/> ]<br/>a. <input type="checkbox"/> Newly executed (original or copy)<br/>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d))<br/>(for continuational divisional with Box 17 completed)<br/>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s)<br/>named in the prior application, see 37 CFR<br/>1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br/>Computer Program (Appendix)</p> <p>8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br/>(if applicable, all necessary)<br/>a. <input type="checkbox"/> Computer Readable Form (CRF)<br/>b. Specification Sequence Listing on:<br/>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br/>ii. <input type="checkbox"/> paper<br/>c. <input type="checkbox"/> Statements verifying identity of above copies</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other: .....

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No. 09/467,384

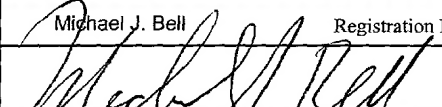
Prior application information: Examiner: A. Ridley Group I Art Unit: 1764

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

### 18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label  or ☐ Correspondence address below

Name	
Address	
City	State
Country	Zip Code
Telephone	Fax

NAME (Print/Type)	Michael J. Bell	Registration No. (Attorney/Agent)	39,604
Signature		Date	February 13, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

# HOWREY SIMON ARNOLD & WHITE, LLP

Box No. 34

1299 Pennsylvania Avenue, N.W.

Washington, D.C. 20004-2402

(202) 783-0800

Attorney Docket No. **06950.0167.DVUS02**

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventors: **John D. Winter, et al.**

For: **Apparatus and Method for Withdrawing and Dewatering Slag from a Gasification System**

Enclosed are:

☒ **34** pages of Specification, including **14** pages of claims (numbered 1-146)

☒ **11** sheets of informal drawings; **1** page of Abstract

☐ An assignment of the invention to \_\_\_\_\_

☐ A certified copy of a \_\_\_\_\_ application.

☒ An Information Disclosure Statement, Form PTO-1449 and References.

☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.

☐ Executed Power of Attorney from Assignee

☒ Executed Declaration for Patent Application.

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	25 -20 =	5
INDEP. CLAIMS	1 -3 =	0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY	
RATE	FEE
	\$ 355.00
x 9 =	
x 40 =	
+ 135 =	
TOTAL	

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 710.00
x 18	90.00
x 80	
+ 270 =	
TOTAL	800.00

☐ Please charge my Deposit Account No. 08-3038 in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is attached.

☒ A check in the amount of \$ **800.00** to cover the filing fee is enclosed.

☒ The U.S. Patent and Trademark Office is hereby authorized to charge overpayment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06950.0167.DVUS01. A duplicate copy of this sheet is attached.

☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 37 CFR 1.17.

☐ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number \_\_\_\_\_. A duplicate copy of this sheet is enclosed.

☐ Any patent application processing fees under 37 CFR 1.17

☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance pursuant to 37 CFR 1.311(b).

☐ Any filing fees under 37 CFR 1.16 for presentation of extra claims

Date February 13, 2001

Michael J. Bell

Name (Reg. No. 39,604)